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March 1st, 1853.

Vice-President BRIDGES in the Chair.

Letters were read—

From the Royal Society of Sciences of Stockholm, dated 20th Oct., 1852, transmitting recent Nos. of its publications acknowledged this evening.

From the same, of same date, acknowledging the receipt of late Nos. of the Proceedings of the Academy, and requesting others deficient in its series.

From the Royal Academy of Sciences at Amsterdam, dated 5th Nov. 1852, acknowledging the receipt of the Proceedings, &c.

From the "Acad. C. L. C. Naturæ Curiosorum," dated Breslau, Nov. 20, 1852, transmitting the volume of its "Nova Acta," announced this evening.

From "L'Ecole des Mines," Paris, dated 6th Jan. 1852, requesting certain Nos. of the Journal and Proceedings of the Academy deficient in its series.

From the Smithsonian Institution, dated Washington, Feb. 16, 1853, acknowledging the receipt of the Proceedings Vol. 6, No. 6, and Journal Vol. 2, Part 3.

From the Secretary of the Troy (N. Y.) Young Men's Association, dated Feb. 21, 1853, requesting, for that Institution, the publications of the Academy.

March 8th.

Vice-President BRIDGES in the Chair.

Dr. Leidy called the attention of the members to several fossil fragments found in association with the remains of *Megalonyx*, &c. in the neighborhood of Natchez, Mississippi.

One of the specimens is half of a lower jaw containing several teeth, of which the bone is enveloped in a thick layer of peroxide of iron. It belonged to a species of *Ursus*, and presents no difference in size or otherwise from that of the common Black Bear.

Two others, consisting of a penultimate superior molar, and a fragment of a lower jaw containing the last molar, were referred to a new species of Bear, under the name of *Ursus amplidens*. The fragment of lower jaw is even less in size than the corresponding portion in the Black Bear, while the two teeth mentioned are very nearly as large as the corresponding ones in the Grizzly Bear. The comparative dimensions are as follows:

	<i>U. americanus.</i>	<i>U. ferrox.</i>	<i>U. amplidens.</i>
Depth of lower jaw below the last molar	39 m. m.	50 m. m.	34 m. m.
Antero-posterior diameter of last lower molar . . . . .	15 m. m.	20 m. m.	19 m. m.
Transverse ditto . . . . .	12 m. m.	14 m. m.	14 m. m.
Antero-posterior diameter of supra-penultimate molar . . . . .	19 m. m.	21 m. m.	21 m. m.